**Amendments to the Claims:**

Kindly cancel claims 2, 10, 13, 19, 22, and 24-25, without prejudice, and please amend claims 1, 12, 14, and 20 as shown below.

This listing of claims will replace all prior versions and listings of claims in the Application:

**Claim 1 (currently amended):** A data transmitter characterized by comprising:

a plurality of integrated circuits each having at least one input/output circuit; and

a transmission line which connects to the input/output circuits of said integrated circuits and has an element that changes an effective reactance per unit length depending on at least one of a signal voltage and a signal current[[.]] , wherein said transmission line is formed at least in or on a printed circuit board.

**Claim 2 (cancelled).**

**Claim 3 (original):** A data transmitter according to claim 1, characterized in that said integrated circuits and said transmission line are formed on a single printed wiring board.

**Claim 4 (previously presented):** A data transmitter according to claim 1, characterized in that said transmission line comprises a grounded ground conductor, a signal conductor which receives said signal voltage between the ground conductor and the signal conductor, and an insulating material which contains the element and insulates the signal conductor and the ground conductor from each other.

**Claim 5 (original):** A data transmitter according to claim 4, characterized in that the element includes one of a dielectric and a magnetic substance.

**HAYES SOLOWAY P.C.**
3450 E. SUNRISE DRIVE,
SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

**Claim 6 (original):** A data transmitter according to claim 5, characterized in that the dielectric exhibits a nonlinear relationship between an electric field and dielectric polarization generated in the dielectric.

**Claim 7 (original):** A data transmitter according to claim 6, characterized in that the dielectric is at least one of lead zirconate titanate, bismuth strontium tantalate, ferroelectric, and liquid crystal.

**Claim 8 (original):** A data transmitter according to claim 5, characterized in that the magnetic substance exhibits a nonlinear relationship between a magnetic field and magnetization generated in the magnetic substance.

**Claim 9 (original):** A data transmitter according to claim 8, characterized in that the magnetic substance is at least one of NiZn ferrite and sendust.

**Claim 10 (cancelled).**

**Claim 11 (original):** A data transmitter according to claim 1, characterized in that a maximum value of a change component in the effective reactance per unit length that changes depending on at least one of the signal voltage and the signal current in said transmission line is not smaller than a value of a fixed component independent of the signal voltage and the signal current.

**Claim 12 (currently amended):** A data transmission line characterized by comprising:

said data transmission line connecting the input/output circuits of a plurality of integrated circuits; [[and,]]

~~further comprising~~ an element which changes an effective reactance per unit length depending on at least one of a signal voltage and a signal current[[.]] ;

a grounded ground conductor;

**HAYES SOLOWAY P.C.**
3450 E. SUNRISE DRIVE, SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

a signal conductor which receives said signal voltage between said ground conductor and said signal conductor; and

an insulating material which contains the element and insulates said signal conductor and said ground conductor from each other, wherein said ground conductor is formed at least in or on a printed wiring board, said insulating material is arranged in the printed wiring board, and *said* signal conduct or is arranged in said insulating material.

**Claim 13 (cancelled).**

**Claim 14 (currently amended):** A data transmission line according to claim [[13]] 2, characterized in that the element includes one of a dielectric and a magnetic substance.

**Claim 15 (original):** A data transmission line according to claim 14, characterized in that the dielectric exhibits a nonlinear relationship between an electric field and dielectric polarization generated in the dielectric.

**Claim 16 (original):** A data transmission line according to claim 15 , characterized in that the dielectric is at least one of lead zirconate titanate, bismuth strontium tantalate, ferroelectric, and liquid crystal.

**Claim 17 (original):** A data transmission line according to claim 14, characterized in that the magnetic substance exhibits a nonlinear relationship between a magnetic field and magnetization generated in the magnetic substance.

**Claim 18 (original):** A data transmission line according to claim 17, characterized in that the magnetic substance is at least one of NiZn ferrite and sendust.

**Claim 19 (cancelled).**

**Claim 20 (currently amended):** A data transmission line ~~according to claim 13, characterized in that~~ characterized by comprising:

**HAYES SOLOWAY P.C.**
3450 E. SUNRISE DRIVE, SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567

said data transmission line connecting the input/output circuits of a plurality of integrated circuits;

an element which changes an effective reactance per unit length depending on at least one of a signal voltage and a signal current;

a grounded ground conductor;

a signal conductor which receives said signal voltage between said ground conductor and said signal conductor; and

an insulating material which contains the element and insulates said signal conductor and said ground conductor from each other.

said ground conductor and said signal conductor are formed apart from each other on a printed wiring board, and said insulating material is arranged between said ground conductor and said signal conductor on the printed wiring board and joined to said ground conductor and said signal conductor.

**Claim 21 (original):** A data transmission line according to claim 12, characterized in that a plurality of data transmission lines are parallel-arrayed.

**Claim 22 (cancelled).**

**Claim 23 (original):** A data transmission line according to claim 12, characterized in that a maximum value of a change component in the effective reactance per unit length that changes depending on at least one of the signal voltage and the signal current is not smaller than a value of a fixed component independent of the signal voltage and the signal current.

**Claim 24 (cancelled).**

**Claim 25 (cancelled).**

**HAYES SOLOWAY P.C.**
3450 E. SUNRISE DRIVE,
SUITE 140
TUCSON, AZ 85718
TEL. 520.882.7623
FAX. 520.882.7643

175 CANAL STREET
MANCHESTER, NH 03101
TEL. 603.668.1400
FAX. 603.668.8567